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MobileDemand
xTablet T1400
User's Guide

Read Me First

Getting Started

Useful Information

Troubleshooting

Please read these instructions carefully before using this product, and save this manual for future use.

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Contents

Chapter 1: Getting Started **1**

Unpacking 1
Description Of Parts 2
First-time Operation 5
Hot Swapping Batteries 6
Turning On / Off 8

Chapter 2: Useful Information **9**

CTRL-Alt-Delete Operation 9
How to Enter BIOS 9
Battery Status LED's 10
HotTab Operation 10
Camera 12
HotTab Devices 14
HotTab Setting Menu 15
Auto Screen Rotate- Enable - Disable 17
Tech Tip - Password required on wake setting 18
Tech Tip - High Resolution Screen Scaling 19
Tech Tip - Chaning screen resolution 21
Setting up the Barcode Scanner 23
Setting up the RFID Reader 30
How to use the LTE Skylight Connection Mgr Software 36
How to install LTE SIM 40
Mechanical Drawings 46
Accessories 48

Chapter 3: Troubleshooting **49**

Troubleshooting (Basic) 49

Chapter 4: Safety Informaiton **51**

Precaution on Battery Pack 51
General Product Safety 52
Handling and Maintenance 52
General Guideline 53
Cleaning Guideline 53
Touchscreen Guideline 53
Regulatory Safety Statements 54
Copyright 55
Contact information 55

Chapter 1: Getting Started

Congratulations on purchasing the xTablet T1400. The rugged design allows you to use it in harsh outdoor environments.

This chapter tells you step by step how to get the computer up and running. You will find instructions for the following procedures:

- Unpacking
- Description of Parts
- First Time Operations
- Turning On/Off

Unpacking

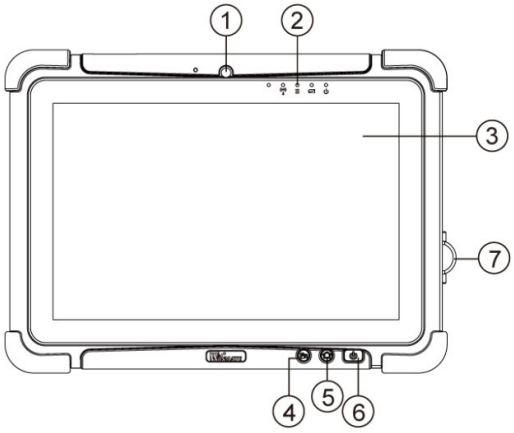
Check and identify the supplied accessories:

- xTablet T1400 with Screen Protector
- Power Adapter
- Capacitive Stylus and Tether
- Standard, Long-Life, or Extra Long Life Battery
- Power Cord
- Briefcase Handle

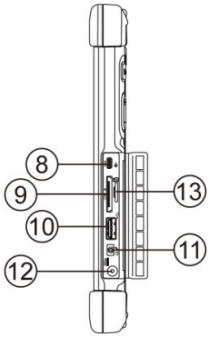
Please read these instructions carefully before using this product, and save this manual for future use.

Description of Parts

Front:



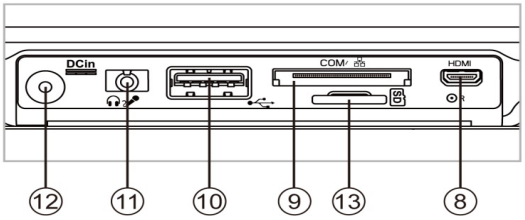
Right:



No	Item	Description
1	Front Camera	2 Megapixel Webcam
2	LED Indicators:	Show the current status of the xTablet T1400
	RF	**Green** - WiFi/BT/3G/GPS ON **No light** - WiFi/ BT/3G/GPS are OFF
	HDD	**Green** - Hard drive Activity **No light** - Hard drive Idling
	Battery	**Orange** – Charging in progress **Green** – Battery in use **Blinking Red** – Battery removed while tablet ON **Solid Red** - Low Battery (<10%) **Not lit** – Battery is fully charged when AC adapter is plugged in
	Power	**Blue** – Tablet is ON **No light** – Tablet is OFF
3	Touch Screen	Display and multi-touch act as one of the inputs
4	Fn1 Button	Programmable function key configured by HotTab Utility. Default: Web Browser
5	Menu Button	HotTab Quick Access
6	Power Button	Turns on/off tablet

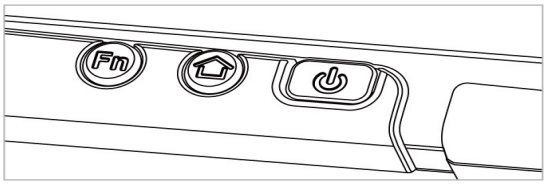
No	Item	Description
7	I/O Cover	Protects I/O ports
8	Micro HDMI	HDMI output to external HDMI display
9	LAN/RS232	Adapter port for a LAN or RS232 connection with cable
10	USB 3.0	High speed USB port connects to USB devices, such as a USB flash drive, mouse, keyboard, printer, etc.
11	Mic In/Line Out	Headset or headphone can be connected
12	Power Jack	DC-IN power input jack
13	Micro SD Card Reader	Memory card reader port for Micro SD Card

Side I/O:

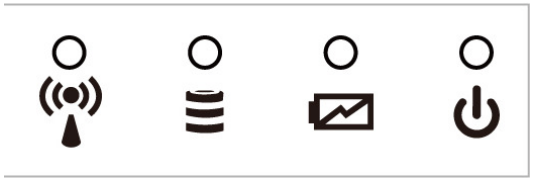


Getting Started

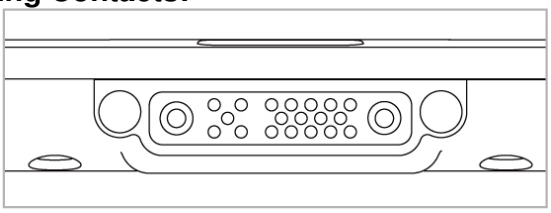
Front Buttons:



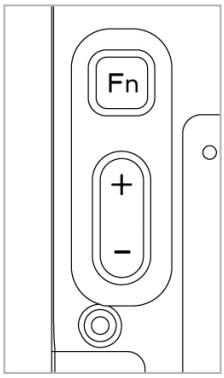
Front LED Indicators:



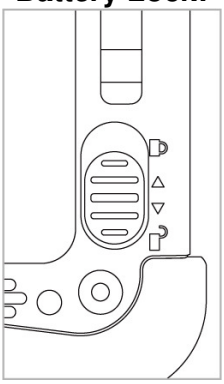
Docking Contacts:



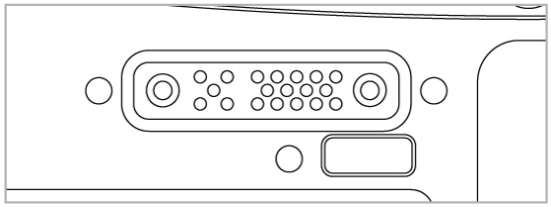
Rear Buttons



Battery Lock:



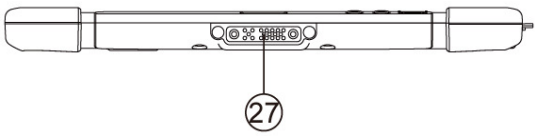
Expansion Port:



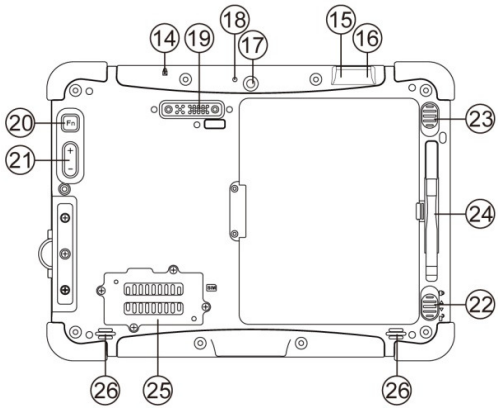
Getting Started

No	Item	Description
14	Kensington Lock detail	Kensington Lock access.
15	Optional Barcode	Barcode Imager for reading 1D/2D barcodes.
16	Optional RFID	RFID reader for reading of 13.56MHz RFID tags.
17	Rear Camera	5MP autofocus camera. Captures images and videos.
18	Camera Flash	LED flash to for the camera.
19	Expansion Contacts	Connectivity to custom modules (USB2.0 and RS232 signals).
20	Fn2 Button	Programmable function key configured by HotTab Utility. Default: camera
21	Volume Buttons	Volume Control. (+) increase volume, (-) decrease volume.
22	Battery Lock	Lock the battery in place once battery is inserted. Not spring-loaded.
23	Battery Latch	Spring-loaded slider that latches the battery in.
24	Stylus Holder	Stylus holder with tether slot.
25	LTE Module & SIM card slot	Service window to insert Micro SIM card. Also provide access to LTE Module.
26	Speakers	Audio and audible alerts.
27	Docking Contacts	Docking contacts for office and vehicle docks to provide power and external GPS antenna

Bottom:



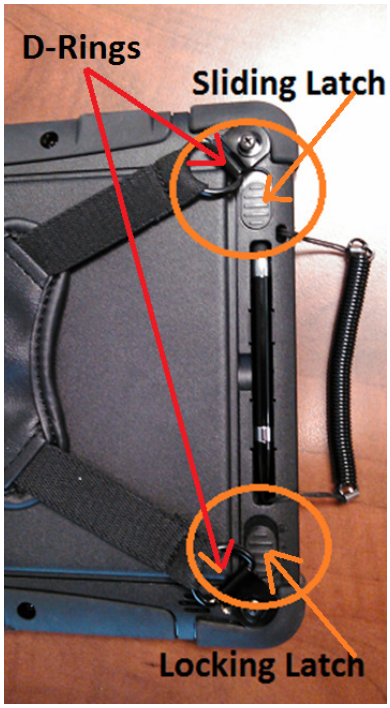
Rear:



First-time Operation

Inserting Battery Pack

To insert the included standard battery pack into the xTablet T1400:



1. Disconnect any cords connected to the xTablet T1400.
2. Turn the xTablet T1400 over, back facing up.
3. Rotate the D-Rings so they are out of the way for the battery to be removed.
4. Locate the Battery Lock and push it to the “Unlocked” position.
5. Insert the battery on the connector-pins side first, and then lower the battery into the battery compartment until you hear the latch click.
6. Make sure the edges of the battery are flat against the housing once fully inserted. Then move the D-rings back into place

Removing the Battery Pack

1. Disconnect any cords connected to the computer.
2. Turn the xTablet T1400 over, back facing up.
3. Rotate the D-Rings so they are out of the way for the battery to be removed.
4. Locate the Battery Lock and push it to the “Unlocked” position.
5. Locate the Battery Latch that is spring-loaded. Pull back and hold.
6. Lift the battery out using the opening on side of battery compartment. Note if the hand strap is attached you will need to rotate the D-rings out to remove the pack easily.

Hot Swapping Batteries

The xTablet T1400 supports hot-swapping of batteries, meaning the tablet doesn't need to be powered off in order to replace the main battery. The xTablet T1400 has a backup battery inside the tablet's main battery compartment that is charged by the main battery. The backup battery cannot be removed except in service, and needs to have adequate power for hot swapping of main battery to be done without issue. When the backup battery is fully charged, it can sustain up to 5 minutes of runtime, so battery swapping needs to complete in under 5 minutes.

Perform the following to hot swap the batteries:

1. While the tablet is powered on, go to HotTab utility to check on the power level of the Backup battery.
2. If the Backup battery level is at "Low", please charge the tablet with AC Power until the Backup battery level is at "Medium" or "High", and do not remove the main battery.
    a. If you need to swap in this situation then shut down the tablet and then swap with a fully charged battery which will then begin charging your backup battery.

    Note: If you have used the xTablet T1400 for several hours and then put it to sleep for several days, the main battery will be slowly depleted and may lose power all together. If that happens, your unsaved work will be lost and date/time will need to be set when power is restored.
3. If the Backup battery level is at "Medium" or "High", continue to remove the main battery.
4. Insert a new fully charged removable battery into the battery compartment following the instructions on page 9 of this manual.
5. Go to HotTab utility to check if Main battery level can be correctly read. If not, check if the new battery is inserted properly.
6. If the Main battery level can be read, resume use the xTablet T1400.

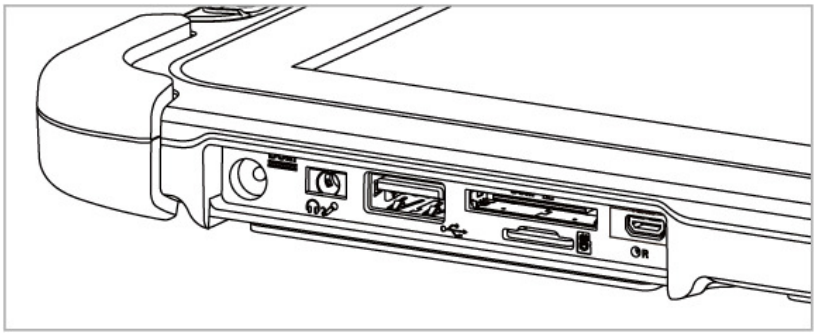
Connecting to Power Supply

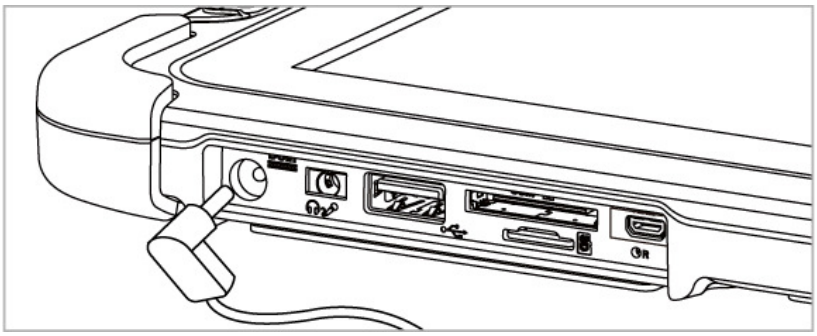
The xTablet T1400 operates either on external AC power or internal battery power. It is recommended to use AC power (for at least 6 hours) when you start up the xTablet T1400 for the first time in order to fully charge the battery.

Caution	**Use only the AC adapter included with your xTablet T1400. Using other AC adapters may damage the xTablet T1400 and the Battery.**

Perform the following to connect the xTablet T1400 to AC Power:

1. On the side of the xTablet T1400, lift the I/O protective cover by pulling on the latch
2. Plug the DC cord of the AC adapter into the Power Jack of the xTablet T1400.
3. Plug the AC power cord into the AC adapter.
4. Finally, Plug the AC power cord into the electrical outlet.





When the AC Adapter is connected, the battery pack will start charging. The battery LED indicator on the xTablet T1400 will show the different charging states. Please refer to the Battery LED section of this document.

Turning On / Off

Turning On

Press and hold the power switch for 5 seconds until the blue LED power indicator lights up.

Note:

- Do not press the power switch repeatedly.
- Do not perform the following operations until the hard drive indicator turns off
  - Connecting or disconnecting the AC adapter
  - Pressing the power switch
  - Touching the tablet buttons, screen, or external keyboard/mouse

Turning Off

Perform the following procedure to shut down the xTablet T1400:

1. Make sure you have closed any programs that are open on the Desktop. Start Screen apps don't need to be closed.
2. Running Windows 8.1, Open the Charms Bar by swiping your finger from the far right of the screen towards the middle of the screen.
3. Tap on the **Settings** charm.
4. Tap on **Power**.
5. Tap on **Shut Down**.
6. Wait for xTablet T1400 to power off.
7. If running Windows 7, tap on the start button and select **Shut Down**.

Note:

- The computer will forcibly be turned off if the power switch is pressed and held for six seconds or longer.
- Leaving the tablet in sleep for several days on low batteries could cause the T1400 to drain all power in the main pack and backup battery which will turn off the tablet, losing unsaved work and date/time settings.

Chapter 3: Useful Information

CTRL-ALT-DELETE Operation

To produce a Ctrl-Alt-Delete press and hold both Volume Keys down at the same time.

Boot Menu

To boot from a USB stick for example, you have two options.

1. When powering on the tablet Press F7 using a regular keyboard.
2. When powering on the tablet Press the Fn1 key on the front of the tablet

How to Enter the BIOS

To enter the BIOS, follow these steps:

1. Turn on the tablet
2. Start pressing the Fn1 key repeatedly right away
3. Chose BIOS Menu from the Boot Options
4. Once in the BIOS use these keys to navigate the BIOS menu
    a. Fn2 = ESCAPE
    b. Home button and volume + = Right Arrow
    c. Home button and volume - = Left Arrow
    d. Volume + = Up Arrow
    e. Volume - = Down Arrow

Battery Status LED's

Based on your battery level and if your tablet is in normal operation, sleeping or powered off and charging, your LED lights will show like this.

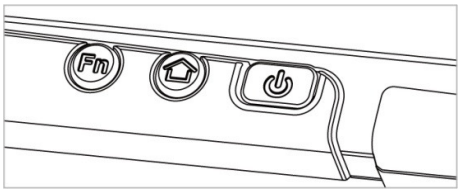
	Battery 100%	Battery 11-99%	Battery 0-10%
Tablet Plugged In, turned OFF	Green	Orange	Red
Tablet Plugged In, sleep	Blinking Green	Blinking Green	Blinking Red
Tablet Plugged In, Running	Green	Orange	Red
Tablet Unplugged, Turned OFF	none	none	none
Tablet Unplugged, sleep	Blinking Green	Blinking Green	Blinking Red
Tablet Unplugged, Running	none	none	Blinking Red

HotTab Operation

HotTab provides quick access to the tablet's functions and features, such as turning on/off WiFi, Bluetooth, GPS, programming function keys, and changing power management.

As Windows starts up, HotTab starts and runs in the background. To display the HotTab control utility, press the (Menu) Button located on the front panel, OR launch the HotTab Utility application.

(Menu) Button on the Front Panel:



HotTab Utility Icon:

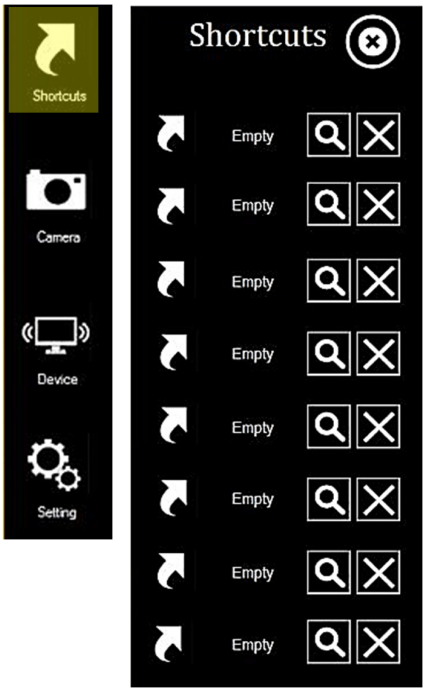
HotTab is designed to be a quick access utility, therefore the main user interface will be on the right side of the screen without blocking the content on screen. There are 4 main menu options: Short cut, Camera, Device and Settings.

Hot Tab Utility Interface

Shortcuts

The HotTab menu option allows users to configure short cuts to quickly access programs with a few taps. The Shortcuts menu offers 8 empty slots. Shortcuts can be mapped to any executable files (.exe) installed on the tablet.

Short Cut Menu:



To store a new shortcut:

1. Tap on button of any empty slot.
2. An on screen file browser will appear.
3. Browse to find the desired application to have shortcut.
4. Click “Open” to save the shortcut.

To remove an saved shortcut:

1. Tap on the button of any saved slot to remove
2. Shortcut will be removed, and once again show “Empty” to indicate slot is empty.

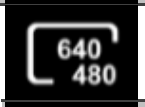
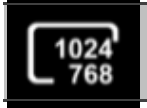
Tap on the button will hide the HotTab Utility Menu.

Camera

To activate the Camera App, the default is the front Fn1 Button. To change, use the setting menu. This Hot-Tab menu option allows users take a picture or record a video. Before use, make sure the Camera is turned on under Devices menu option. The Camera user interface will take up the entire screen as shown below:

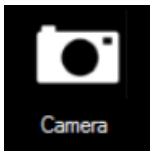
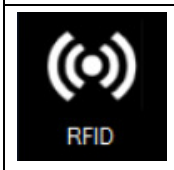
Description of Camera User Interface Buttons:

You can get to these settings by selecting this icon from the HotTab menu.

No	Item		Description
1	**Camera Switch**		Switch between front and rear cameras.
2	**Settings**		Available Settings: • **Picture Save:** modify/inspect saved location for pictures. • **Video Save Folder:** modify/inspect saved location for video recordings. • **Picture Quality:** Picture compression quality.
3	**Flash Control**		Disables LED Flash when taking picture.
			LED will always flash.
			LED will automatically flash in low light.
4	**Resolution**		Pictures will be saved at resolution of **640 x 480.**
			Pictures will be saved at resolution of **1024 x 768.**
			Pictures will be saved at resolution of **1600 x 1200.**
			Pictures will be saved at resolution of **2592 x 1944.**
5	**Exit**		Exits the Camera and hides the HotTab Utility.
6	**Picture/Video Mode Switch**		Switches between picture taking and video recording.
7	**Shutter/Record** (automatically switch base on mode)		Camera Shutter Button. Tap to take picture.
			Video Record Button. Tap to Start, and press again to stop recording.
8	**Open Saved Location**		Opens the location where pictures and videos are saved in a window.

Device

This Hot-Tab menu option enables/disables xTablet T1400's hardware functions:

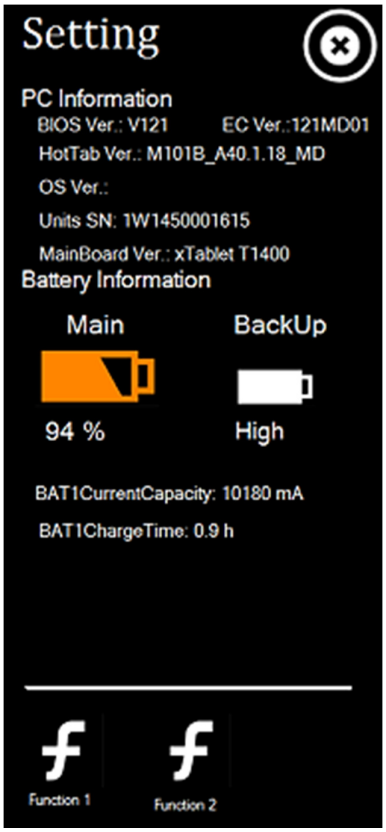
Item	Status Color	Description
	Orange	Wi-Fi is enabled.
	White	Wi-Fi is disabled.
	Orange	WWAN (3G/4G) is enabled.
	White	WWAN (3G/4G) is disabled.
	Orange	GPS is enabled.
	White	GPS is disabled.
	Orange	Bluetooth is enabled.
	White	Bluetooth is disabled.
	Orange	Camera is enabled.
	White	Camera is disabled.
	Orange	Enables Front LED indicators.
	White	Disables Front LED indicators.
	Orange	Barcode Reader is enabled. Reading will need to be triggered manually thru Fn button.
	White	Barcode Reader is disabled.
	Orange	RFID Reader is enabled. Reading will occur without trigger.
	White	RFID Reader is disabled.
	Orange	When clicked, the RFID Settings Dialog box will come up
	White	No RFID settings dialog will not come up.
	Orange	Expansion Port 5V Power is enabled.

	White	Expansion Port 5V Power is disabled.
	Orange	External GPS antenna is used for GPS.
	White	Built-in GPS antenna is used for GPS.

Setting

This Hot-Tab menu option provides users information such as PC Information, Battery status, and also device settings such as power management, and function key mappings.

PC and Battery Information:



This section provides user PC and battery Information.

Main Battery:
The main battery Icon displays the battery level in percentages (0 to 100%).

Backup Battery:
The backup battery used for battery hot swapping displays its state in text with the following meanings.

Status	Description
High	Backup battery is fully charged, and can be used for hot swapping
Medium	Backup battery level is intermediate, but can be used for hot swapping
Low	Backup battery level is low, and hot swapping is not recommended.

Battery Charge Time:
The Battery Information also displays estimated time needed to fully charge the main battery when AC adapter is plugged in.

Battery Current Capacity:
This value displays the Battery Gauge Capacity Value in Milli-Amp-Hours. As the battery ages, this number will decrease.

Function Key Mapping

The function key mapping menu option allows user to change the physical function buttons, Fn1 and Fn2. Users can change what application will be launched with short press or long press of keys.

Auto Screen Rotation or Lock Screen Rotation

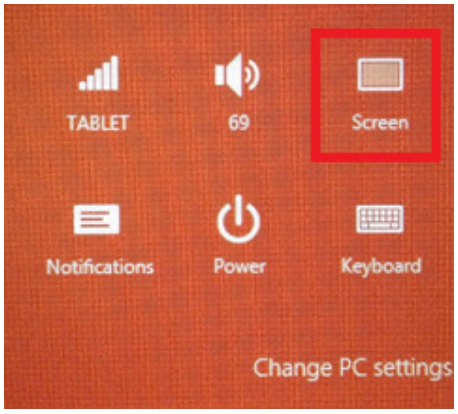
Windows 8.1 has the ability to rotate the screen when you physically rotate the tablet. However the UI aspect resolution is not always desirable switching from Portrait to Landscape position on your screen. Here are instructions on how to enable or disable this Windows feature.

Option 1 – Right click on the desktop and chose Screen Resolution

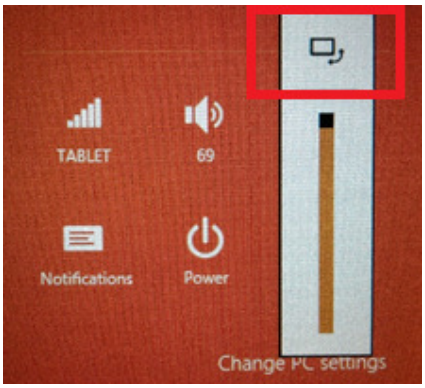
To Allow – Uncheck the box that states “Allow the screen to auto-rotate”

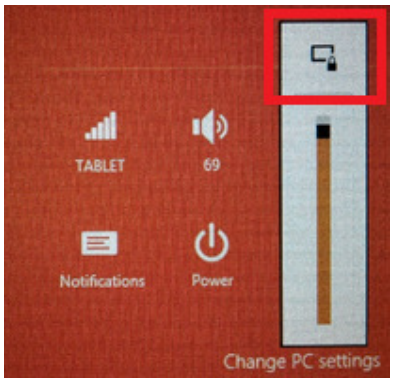
To Disable – Check the box that states “Allow the screen to auto-rotate”

Option 2 – Swipe the right side of the tablet screen to bring up the Windows 8.1 Charms Bar. Now click Settings.



Once in Settings, Click Screen





Just above the brightness control, there will be this small icon.

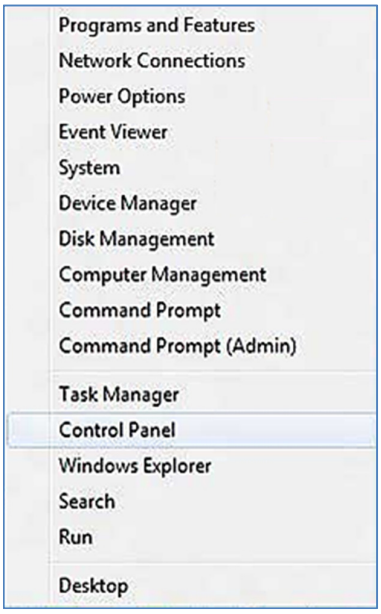
Click it to show this, and you will enable Auto-Rotate,

Click it again, it will show a lock and this will disable Auto-Rotate.

Tech Tip: I don't want Windows to ask for my password when I wake my tablet from sleep

We have noticed that even when we set the password to not prompt when the system awakes from sleep, it still asks for a password. This causes users extra time to put in a password.

In Desktop Mode press and hold your finger on the Windows Start Logo in the bottom left corner of the tablet



Select the Control Panel

Once in Control Panel, select User Accounts

Control Panel\All Control P
Control Panel ▸ All Control Panel Items ▸ User Accounts
Control Panel Home
Manage your credentials
Create a password reset disk
Manage your file encryption certificates
Configure advanced user profile properties
Change my environment variables
Reset Security Policies
Make changes to your user account
Make changes to my account in PC settings
Change your account name
Change your account type
Manage another account
Change User Account Control settings

Select Reset Security Policies

Now your settings will take affect that you have set in Power Management for the Password not being required on wake from sleep.

High Resolution Screen Scaling and Setting

The xTablet T1400's 1920 x 1200 high resolution display is perfect for viewing image, video, or other applications, however, Windows user interface (icons, buttons, and other user interface elements) may be too small to read and operate at the default Windows settings. By changing the display scaling or the display resolution setting of the device, you can adjust the size of the text and other items on the desktop for optimal viewing. Display scaling is the recommended method because it has the effect of adjusting user interface without having to move away from the optimal resolution setting at 1920 x 1200. This section will explain how you can adjust the built-in windows display scaling setting and resolution setting.

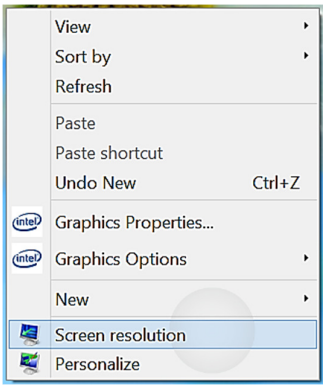
Note:

- xTablet T1400 is shipped with display scaling set at **Larger - 150%**. We recommend the users set the scaling to this setting for optimal navigation and viewing.
- Before proceeding to change the scaling option, make sure any opened document is saved then close, and all running applications are closed before proceeding to change the display scaling, because this procedure requires users to log out of their account to apply display scaling change.

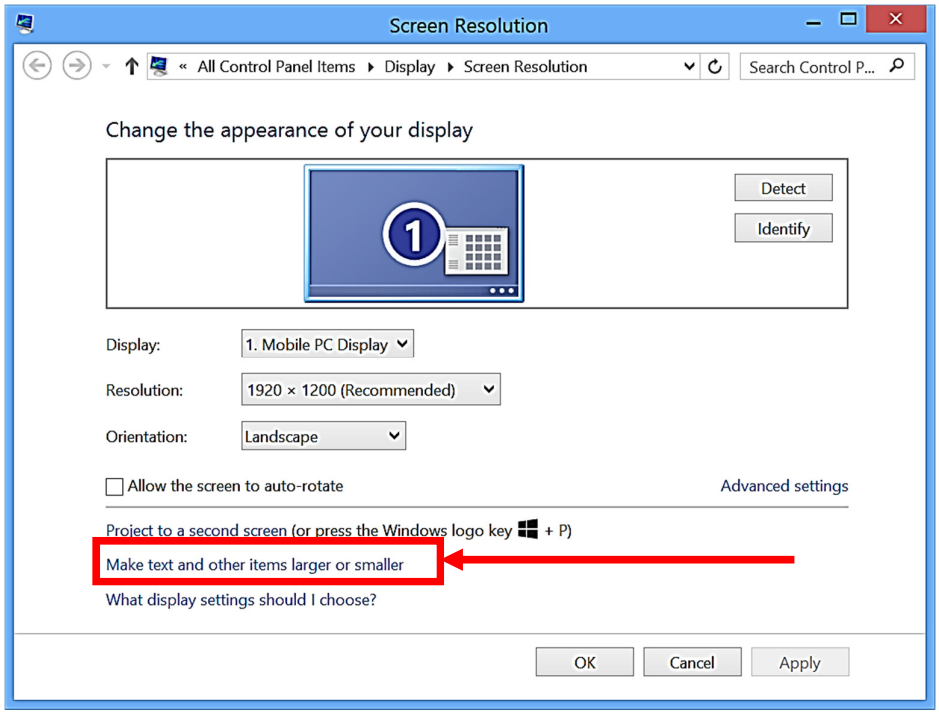
Changing display scaling setting (Recommended)

Perform the following to change display scaling setting:

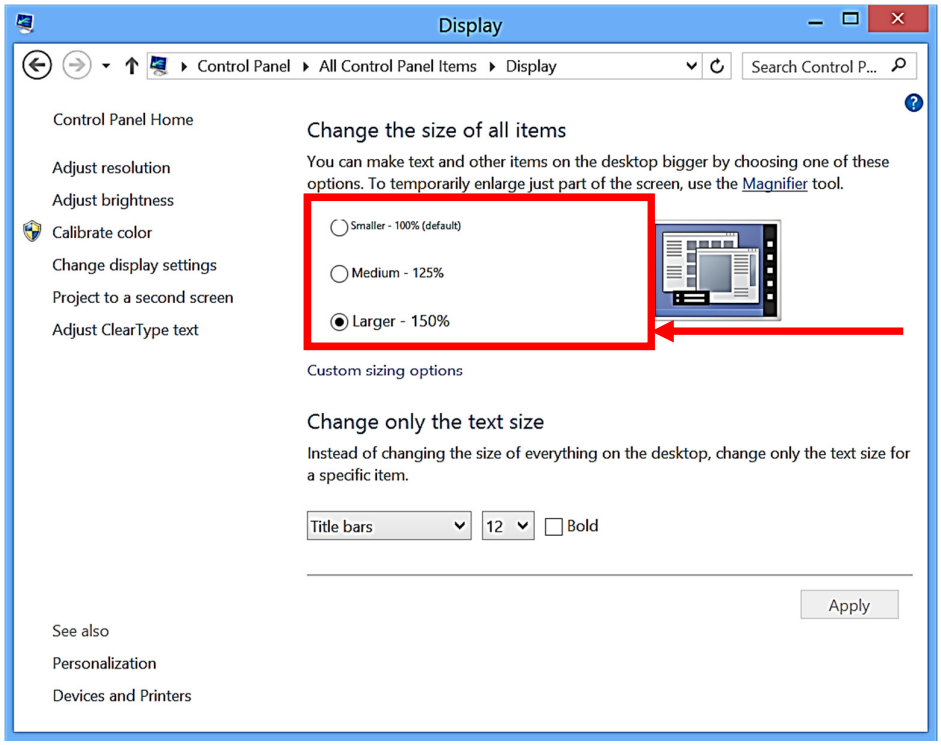
1. Tap and hold anywhere on the desktop for 3 seconds and release to bring up the context menu, and select "Screen resolution" option as shown below:



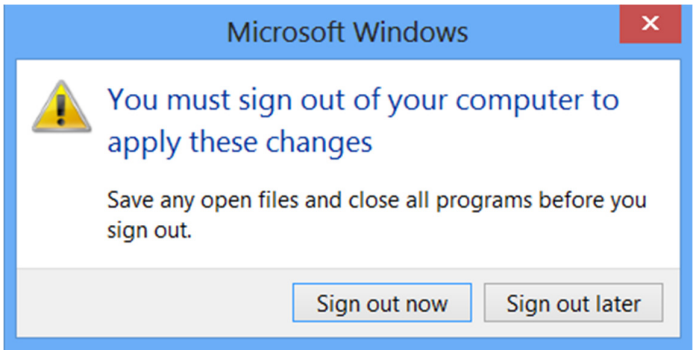
2. A “Screen Resolution” Window will show up. Select the “**Make text and other items larger or smaller**” option in the window, as shown below:



3. A “**Display**” window will show up. Under “**Change the size of all items**” section, change the scaling option to “**Larger – 150%**” or any other desired display scaling and hit “**Apply**” to save changes, as shown below:


Display
Control Panel ▸ All Control Panel Items ▸ Display
Search Control P...
Control Panel Home
Adjust resolution
Adjust brightness
Calibrate color
Change display settings
Project to a second screen
Adjust ClearType text
Change the size of all items
You can make text and other items on the desktop bigger by choosing one of these options. To temporarily enlarge just part of the screen, use the Magnifier tool.
Smaller - 100% (default)
Medium - 125%
Larger - 150%
Custom sizing options
Change only the text size
Instead of changing the size of everything on the desktop, change only the text size for a specific item.
Title bars
12
Bold
Apply
See also
Personalization
Devices and Printers

4. A prompt may show up to ask if you want to sign out to apply the scaling change. Hit "**Sign out Now**" to apply changes, as shown below:

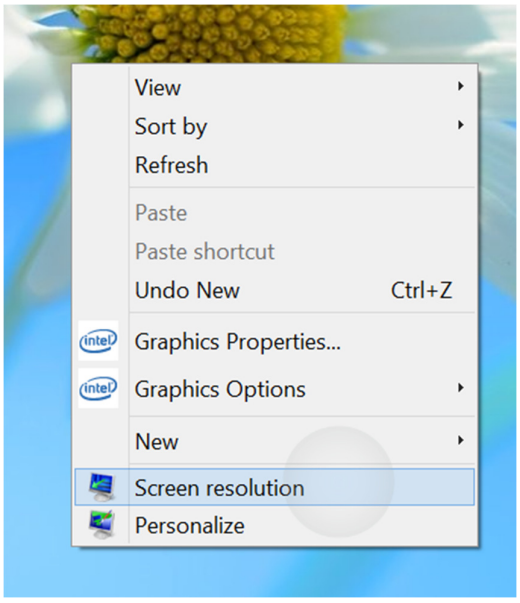

Microsoft Windows
You must sign out of your computer to apply these changes
Save any open files and close all programs before you sign out.
Sign out now
Sign out later

5. The user may now login again to Windows to see the changed display scaling already being applied.

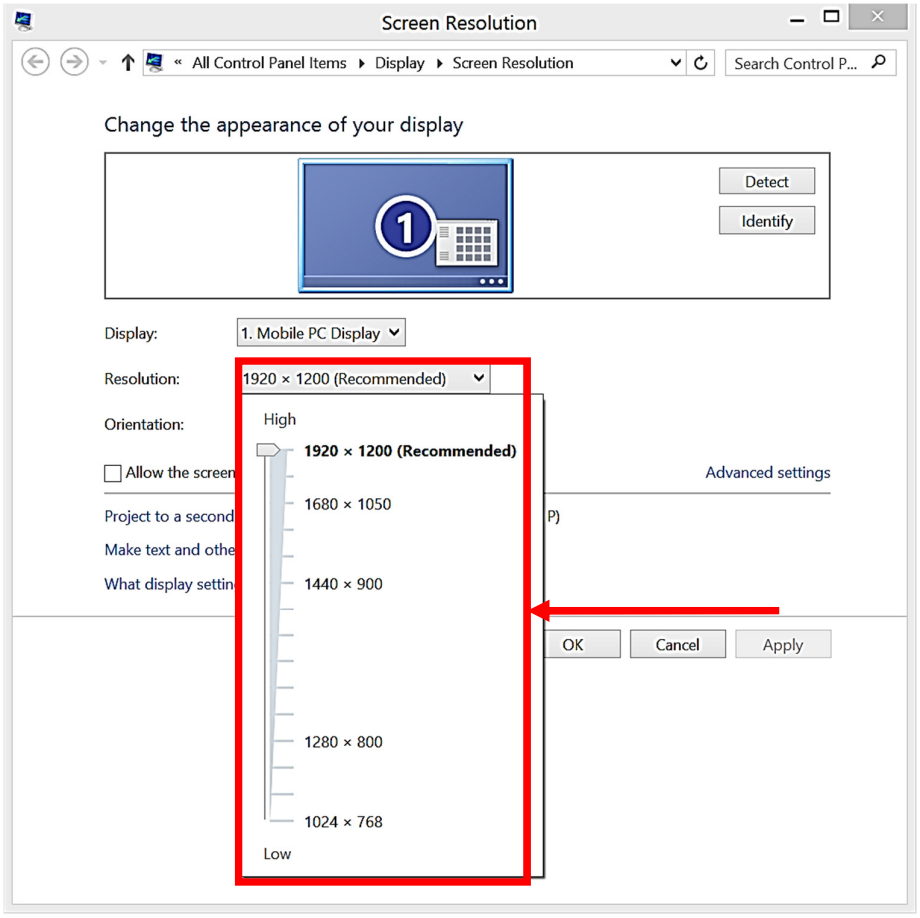
Changing screen resolution setting

Alternatively, instead of changing the display scaling setting, user may choose to change the overall resolution setting to make screen elements bigger.

1. Tap and hold anywhere on the desktop for 3 seconds and release to bring up the context menu, and select "**Screen resolution**" option as shown below:



2. Click on the dropdown option next to “**Resolution**” and select the desire resolution by tapping on the scale:



3. Hit “**Apply**”. A prompt “**Display Settings**” prompt will show up to ask the user if the applied resolution is usable.

4. If the new resolution is the desired display setting hit “**Keep changes**” and continue to next step. If the new resolution is not desirable, hit “**Revert**” and select a different resolution to change to, and start again from step 2.

5. The user may now use the device with the new resolution setting.

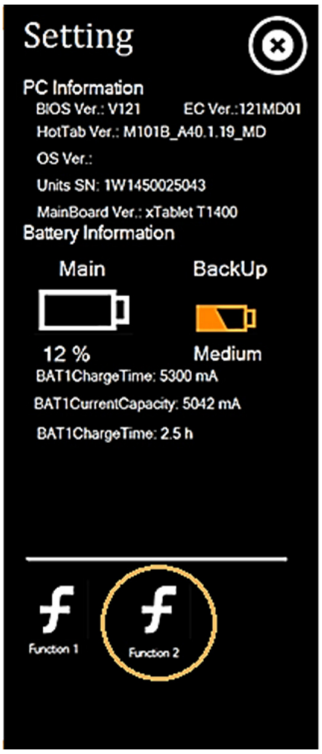
Setting up the Barcode Scanner

This configuration should be completed prior to shipment. If for some reason scanning is not functioning correctly please go through the following steps starting with opening Windows

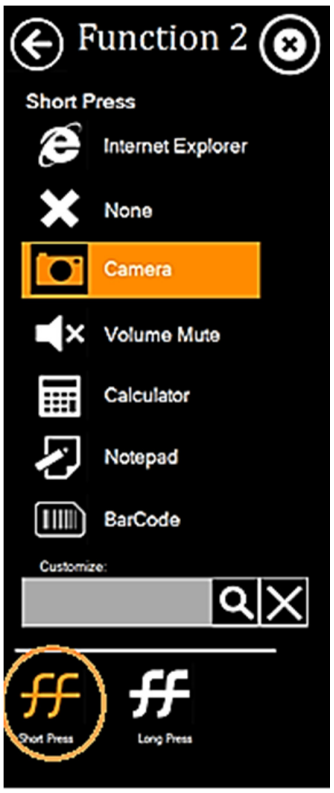
Run the HotTab icon on the desktop or press the HotTab button, select Devices.

Make sure BarCode is Orange, hit the X to exit this HotTab section

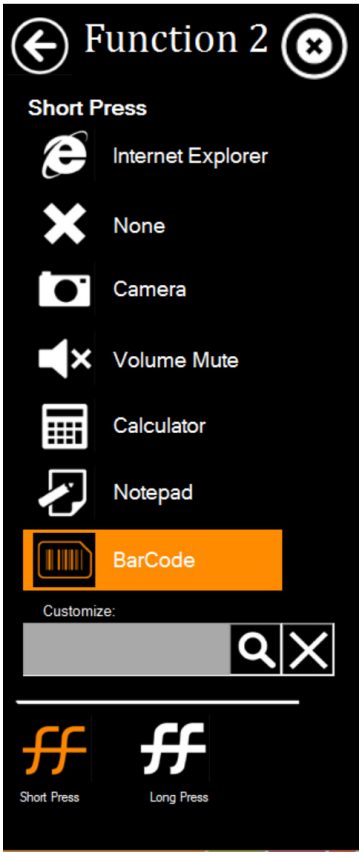
Run the HotTab by clicking on the HOME button and this time select Setting



Then select Function 2



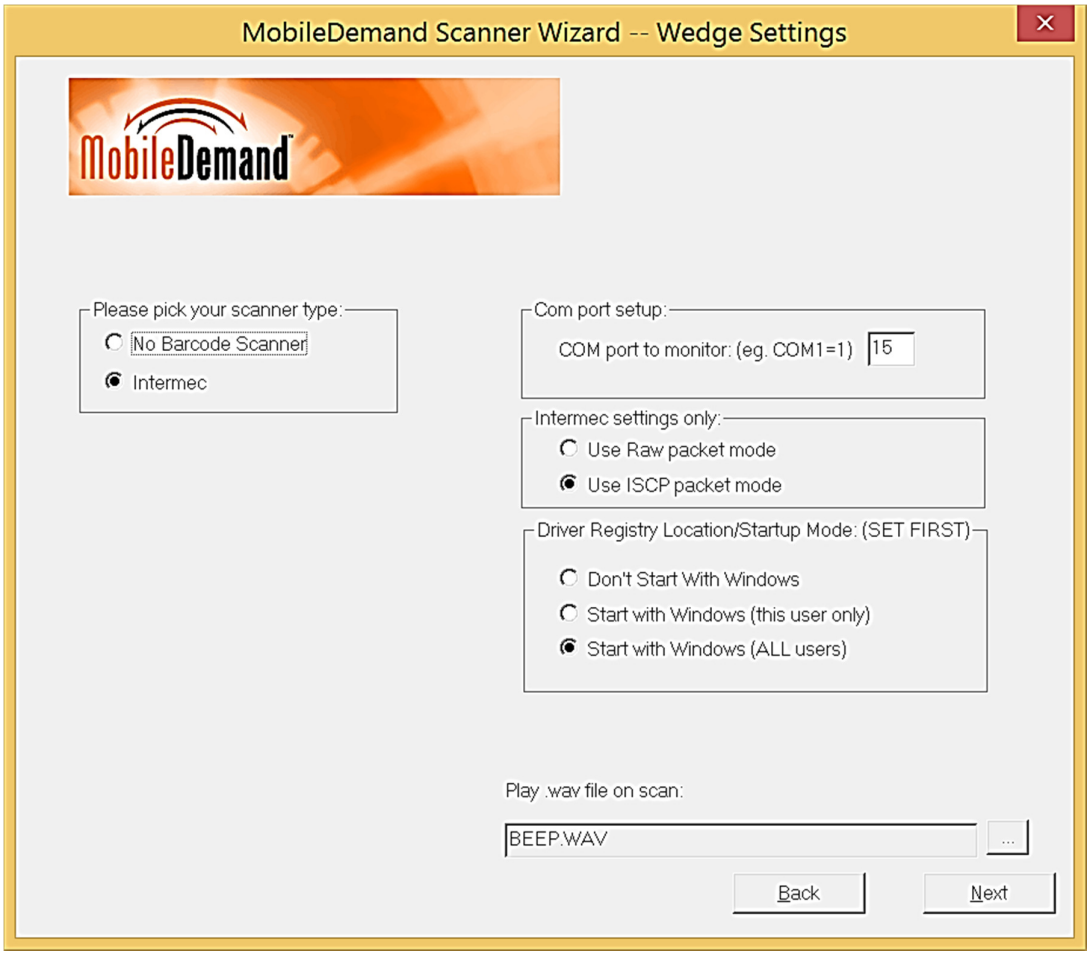
Then Select Short Press



Change the Select for F2 Short Press to Barcode

Go to driver's folder **C:\Drivers Folder\Barcode\MDScanner** and run the MDScanWizard.exe

This wizard will launch.



Verify “Intermec” is the Scanner Type

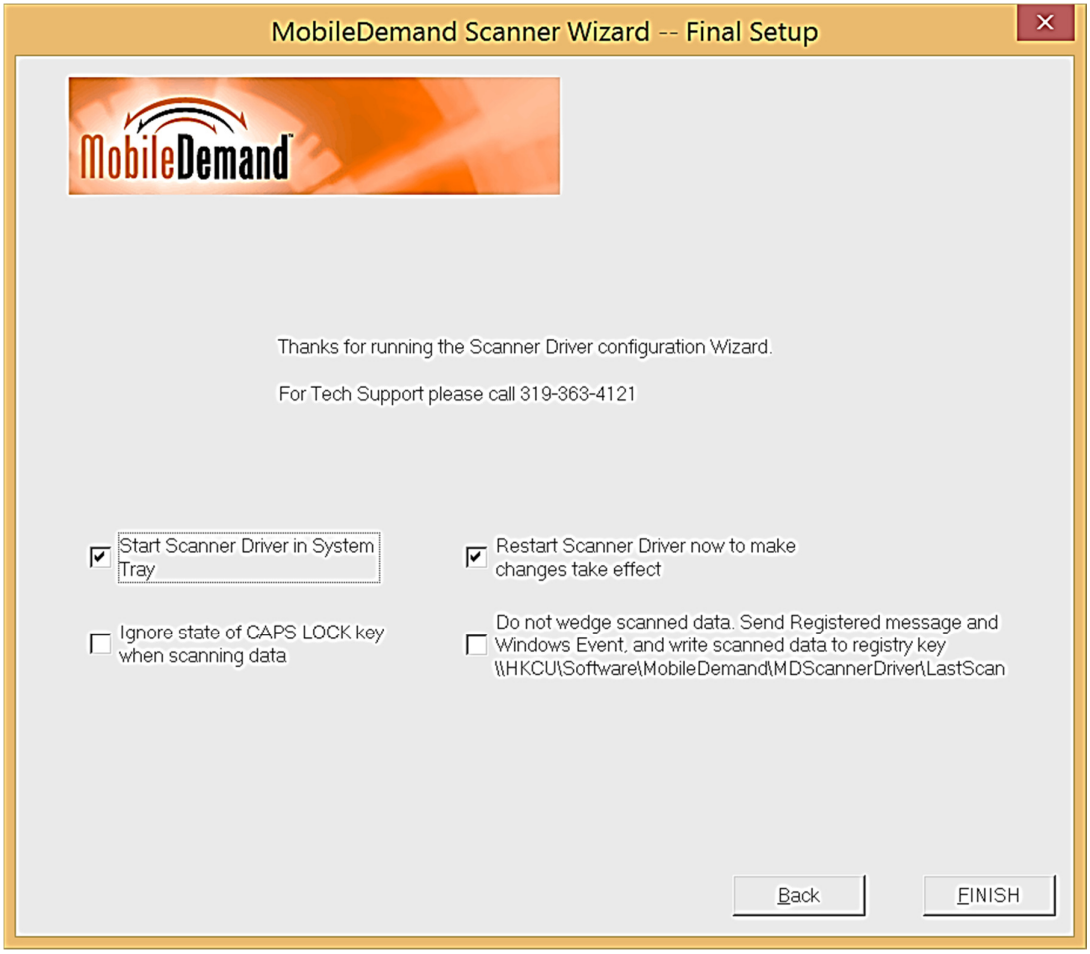
Verify the COM port is 15.

Verify “Use ISCP Packet Mode” is selected

Verify Start with Windows (All Users) is selected

Click on Next.

Make sure these items are selected.


MobileDemand Scanner Wizard -- Final Setup
MobileDemand
Thanks for running the Scanner Driver configuration Wizard.
For Tech Support please call 319-363-4121
Start Scanner Driver in System Tray
Restart Scanner Driver now to make changes take effect
Ignore state of CAPS LOCK key when scanning data
Do not wedge scanned data. Send Registered message and Windows Event, and write scanned data to registry key \\HKCU\Software\MobileDemand\MDScannerDriver\LastScan
Back
FINISH

Click on Finish. Note: IF you are an AB customer and use the registry to pull scan data, click the lower right hand selection then click on Finish.

Make sure you see this on the toolbar.

You will have to wait for the MDScanWizard application to start and go down to the toolbar.

There are two barcodes that need to be scanned to place the scanner in PULSE mode, and to put in a 5 second timeout. Print out the barcodes and scan them in. The two codes to scan are in an XPS document included in the directory.

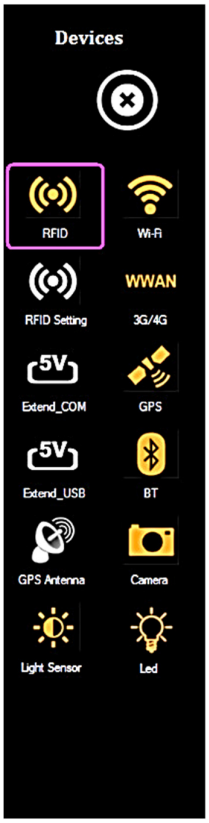
Test the scanner.

Setting up the RFID Reader

To enable the built-in HF RFID Reader, perform the following scenarios:

1. Open HotTab utility by pressing (Menu) Button located on the front panel, OR Launching HotTab Utility application.
2. Tap on **Device** button.
3. Check the status color of the **RFID** icon:

Item	Status Color	Description
	Orange	RFID Reader is enabled. Reading will occur without trigger.
	White	RFID Reader is disabled.



4. If the RFID Reader feature is disabled (white), tap on the RFID icon to enable it (Orange).

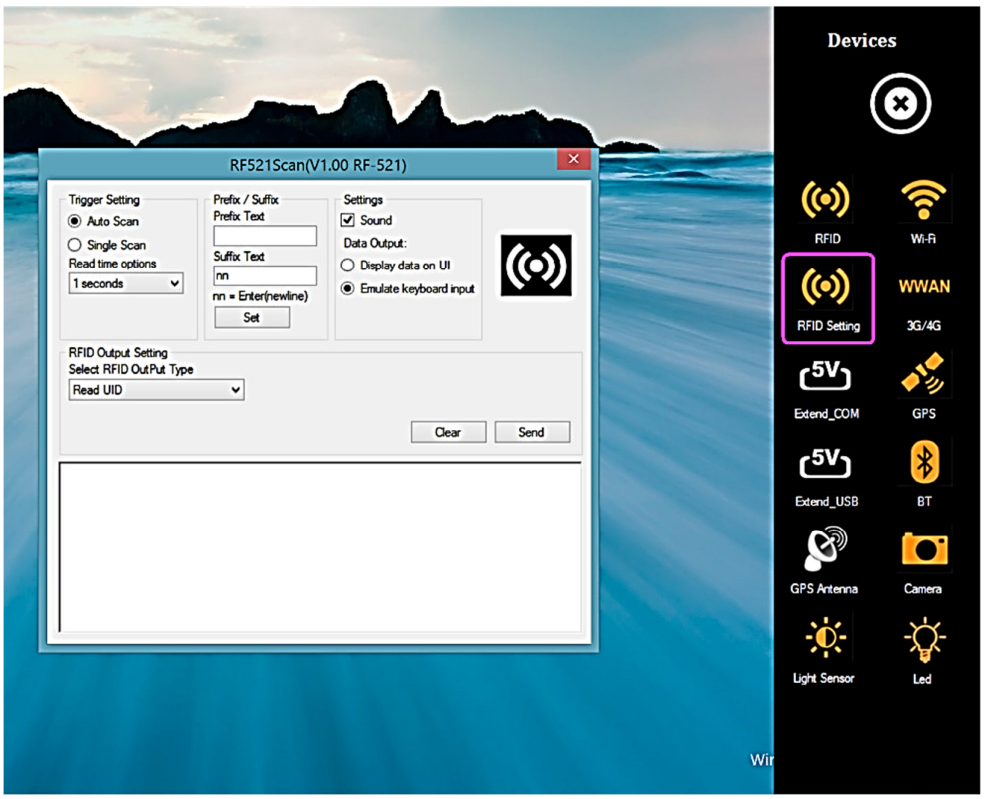
5. Open the application where RFID reader will input, have a HF RFID tag close to the RFID antenna, and the data will be read and shown on the indexed field.

RFID Reader
Support Transponder:
ISO15693, ISO14443A , ISO18092
RF Transmit Frequency:
13.56MHz

How to setup RFID Reader

To setup the built-in HF RFID Reader, perform the following scenarios:

1. Open HotTab utility by pressing (Menu) Button located on the front panel, OR Launching HotTab Utility application.
2. Tap on **Device** / **RFID Setting**, and the setting utility will show up as below:



Getting Started

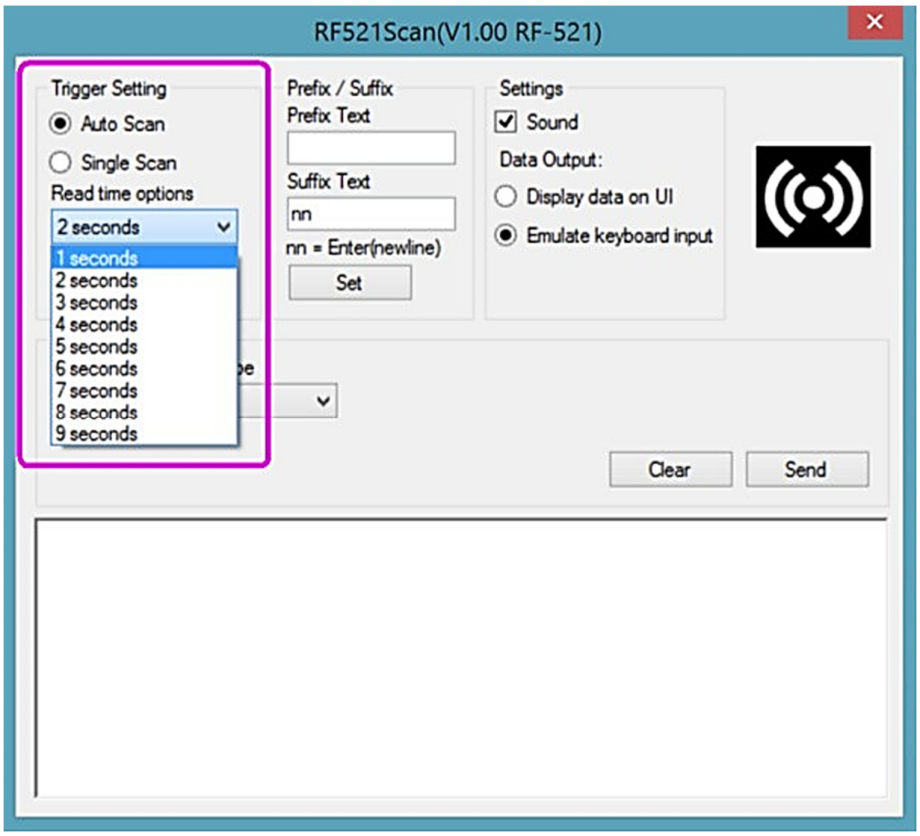
Trigger Setting

Auto Scan

The default setting for RFID trigger is AUTO SCAN. Under this setting, the RFID Reader will always be ready to scan tags.

1. When the RFID tag is detected from RFID antenna, the data will be read automatically.

2. User can define the RFID scanning frequency from the drop-down menu shown as below. The frequency can be from 1 second to 9 seconds.



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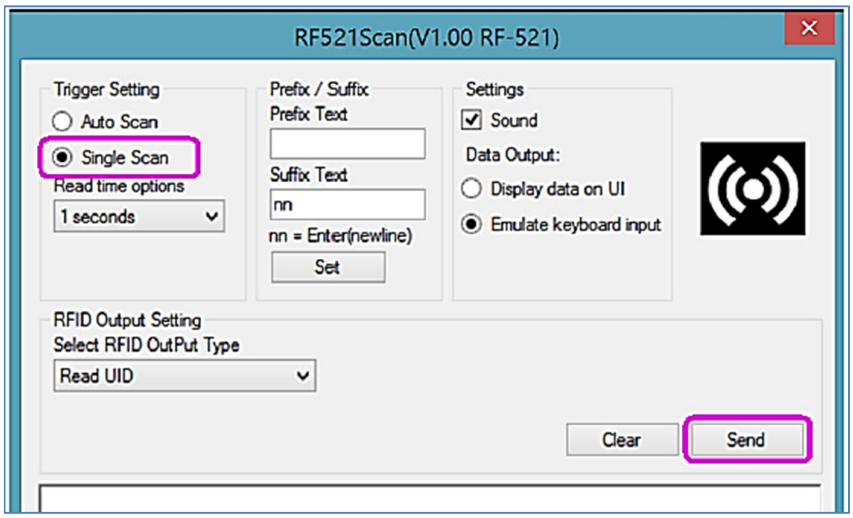
Single Scan

User can also define the RFID Reader scanning as SINGLE SCAN. Under this setting, the RFID Reader will be triggered only when the user clicks on “Send”.



Note: The RFID scanner Antenna is located here on the back side of the tablet. The reading distance is 1/2”.

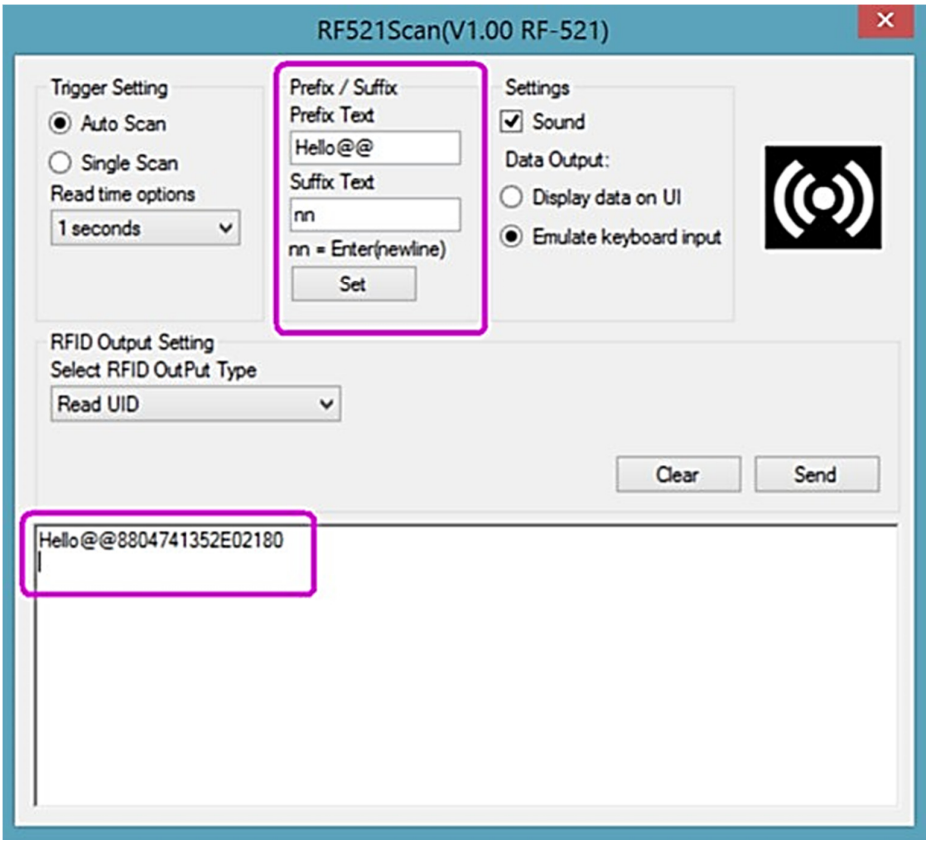
Prefix / Suffix

Prefix

User can type in this field to define the characters BEFORE the data scanned. After the characters are typed, click on “Set” to save the settings.

Suffix

User can type in this field to define the characters AFTER the data scanned. After the characters are typed, click on “Set” to save the settings.



Settings

Sound

The SOUND check box defines whether a beep sound will come with the data scanning.

Data Output

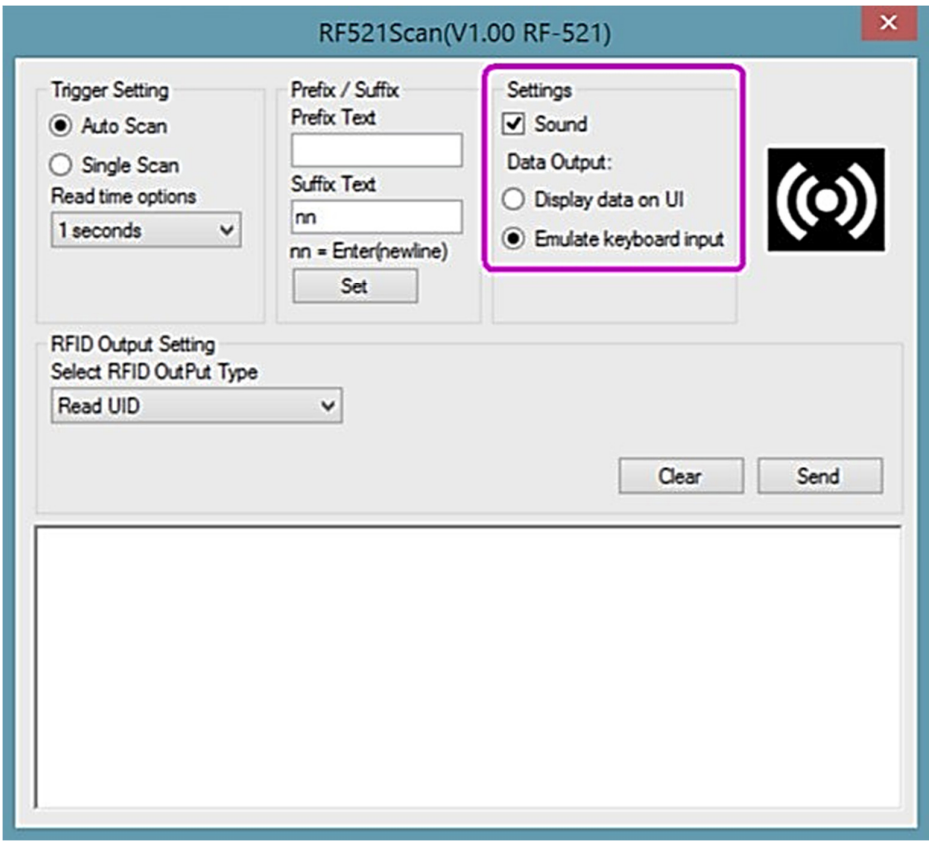
Read Me First

Display data on UI

This option is to copy the scanned data to another UI in this PC.

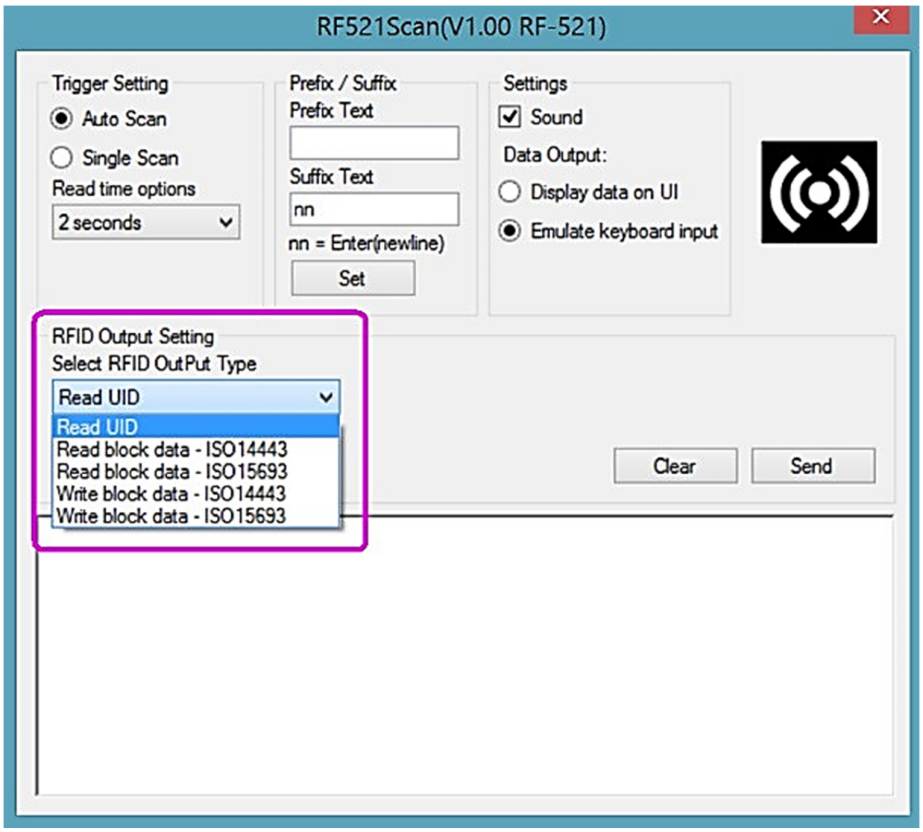
Emulate keyboard input

The default setting for Data Output is EMULATE KEYBOARD INPUT. Under this setting, the HF RFID Reader will simulate the scanning behavior as a keyboard input, and automatically paste the data scanned to the field where the cursor index.



RFID Output Setting

The default setting for built-in HF RFID Reader is to READ UID only. For some applications, user might need to read or write further block data; the drop-down menu under this section can do this change.



Read Me First

How to use the Skylight Connection Manager Application

Setting up Mobile Broadband with the Skylight application & GPS functionality with the MobileDemand xTablet T1400

Read Me First

Thank you for purchasing your MobileDemand xTablet T1400 with the mobile broadband GOBI module.

To use mobile broadband network connections with your MobileDemand xTablet T1400, you use the Sierra Wireless Skylight application called Skylight.

The Skylight application is already installed on your computer; the icon is on your desktop.

You must set up the Skylight application before you can use your mobile broadband network.
To do so, perform the following steps:

Step 1: Verify that WWAN Mode is enabled

Step 2: Start the Skylight application

Step 3: Choose your Carrier in the Skylight application

Step 4: Inserting your SIMM card

Step 5: Connecting to the carrier

Step 6: Set up xTablet GPS. You do not need a mobile broadband account to use the MobileDemand xTablet's GPS feature.

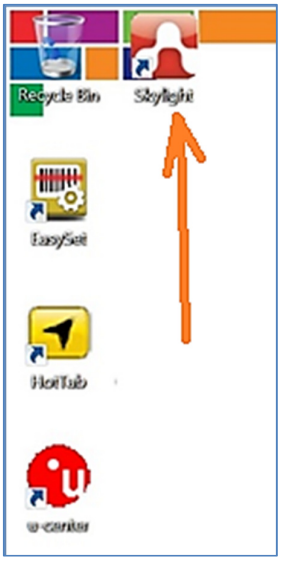
Step One: Verify that WWAN Mode is enabled

1. Start up the xTablet T1400
2. Press the Home Key to bring up the HotTab application.
3. You will see this menu pop up
4. Press Devices
5. Verify that this icon is ORANGE. This verifies that your WWAN radio module is enabled.

Step Two: Start the Skylight application

You start the Skylight application from the icon on the Desktop of Windows.
To start the Skylight application

1. Tap Start > Desktop – Skylight



The Skylight application window opens and the icon appears in the Windows notification area, for example:

Note: If you do not see the icon, click the arrow next to the notification area to view additional icons.

Step Three: Choose your carrier in the Skylight application

Before you can use the mobile broadband installed on your tablet, you need to set up the Skylight application with the information about your mobile broadband network carrier.

1. In the Skylight application Window, click on the icon of the wrench.

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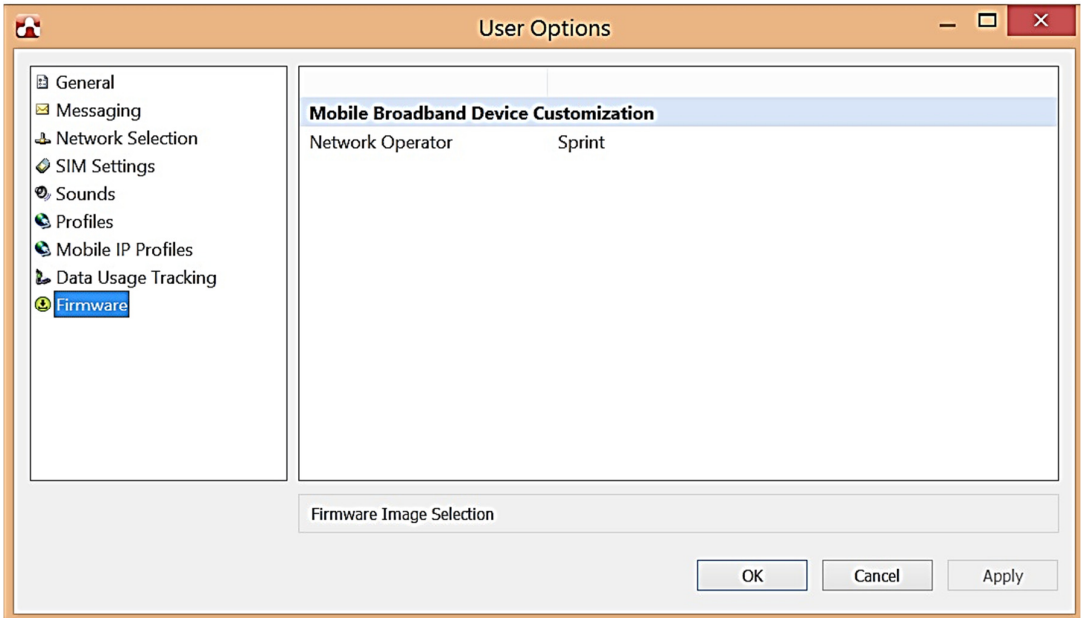
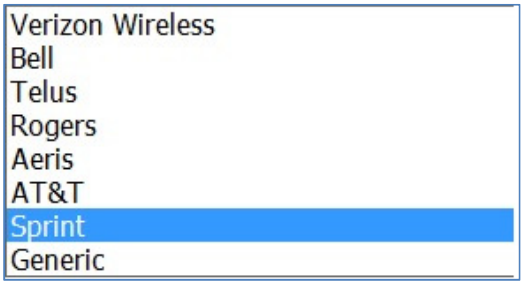
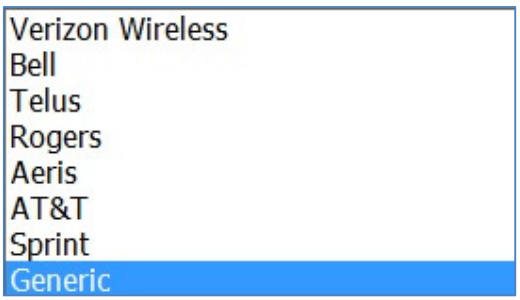


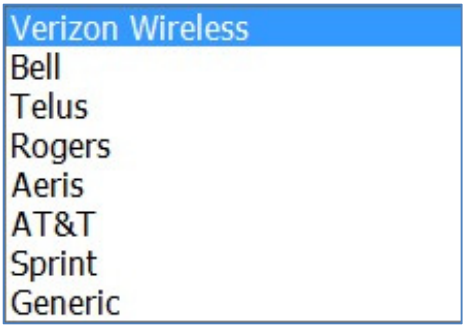
2. Click on "Network Operator, and you will be presented with a drop down list of carriers.



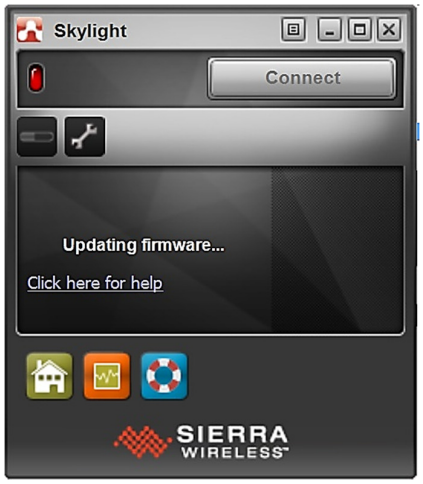
3. Select your carrier from the list of carriers.



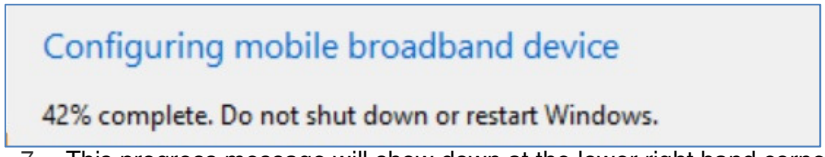
4. You should choose Generic for T-Mobile in the USA



5. For this example we will change from Sprint to Verizon Wireless network. Highlight Verizon Wireless and hit OK.



6. The firmware will be updated.



7. This progress message will show down at the lower right hand corner of Windows.

This will come up once the firmware on your LTE module has been updated to your carrier. This is letting you know it is ok to connect. Make sure you read below about instructions on how to add your 3FF Micro SIM from your carrier to the xTablet T1400.

Read Me First

8. The next thing you must do is register your radio module information with a carrier and get a SIM card. Here are the steps to follow for that.
9. Turn off the tablet to install the 3FF Micro SIM card. Follow the instructions below on inserting the 3FF Micro SIM card.
    a. Verizon – You will need to purchase a 3FF Micro SIM from Verizon and associate the SIM number to your business account. Then follow the steps below to insert the SIM into the system
    b. Sprint – You will need to purchase a 3FF Micro SIM from Sprint and associate the SIM number to your business account. Then follow the steps below to insert the SIM into the system
    c. AT&T – You will need to purchase a 3FF Micro SIM from AT&T and associate the SIM number to your business account. Then follow the steps below to insert the SIM into the system
    d. T-Mobile - You will need to purchase a 3FF Micro SIM from T-Mobile and associate the SIM number to your business account. Then follow the steps below to insert the SIM into the system

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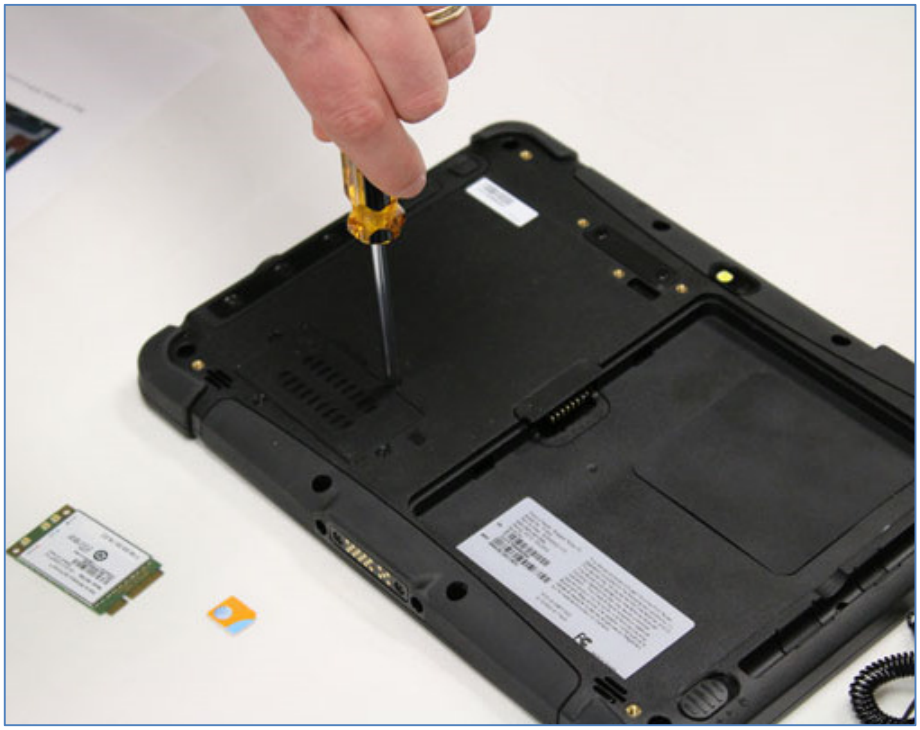
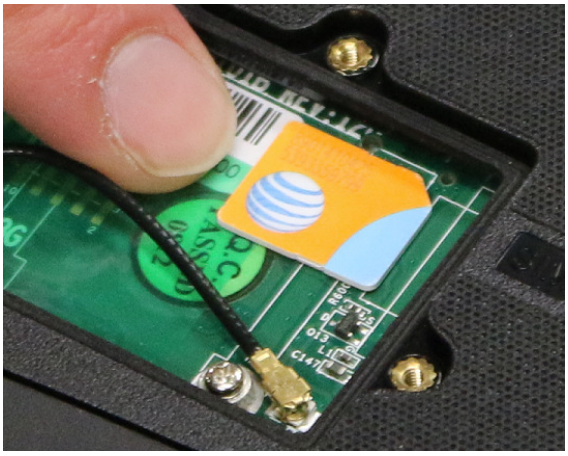
Step Three: Installing your LTE SIM

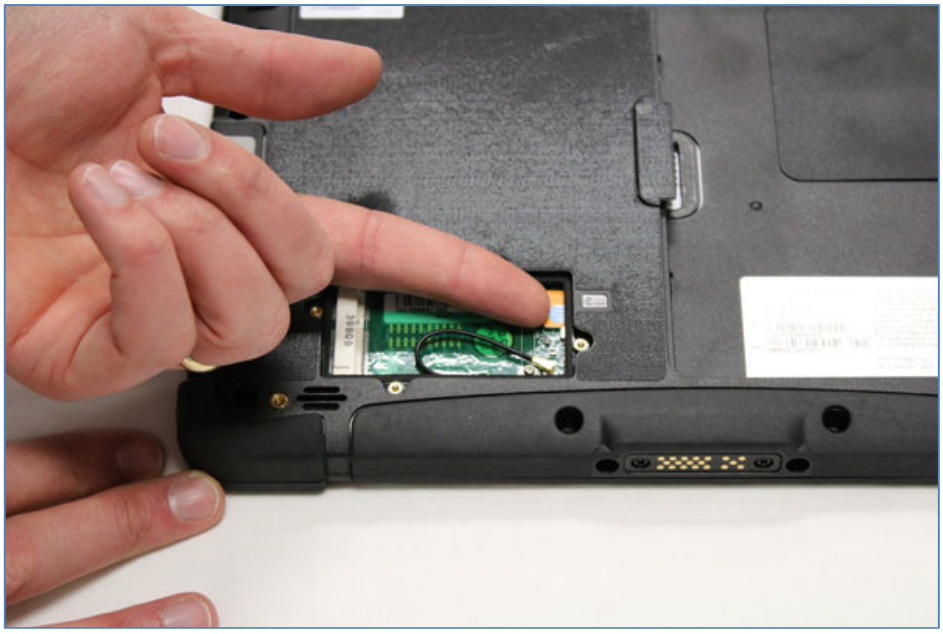
1. Shut down Windows, and turn the power off.
2. Turn the unit over onto its back to get to the cover that holds the LTE Module and the Micro SIM.
3. Remove the battery from the unit as shown below.
4. Remove 4 screws on LTE Module access hatch



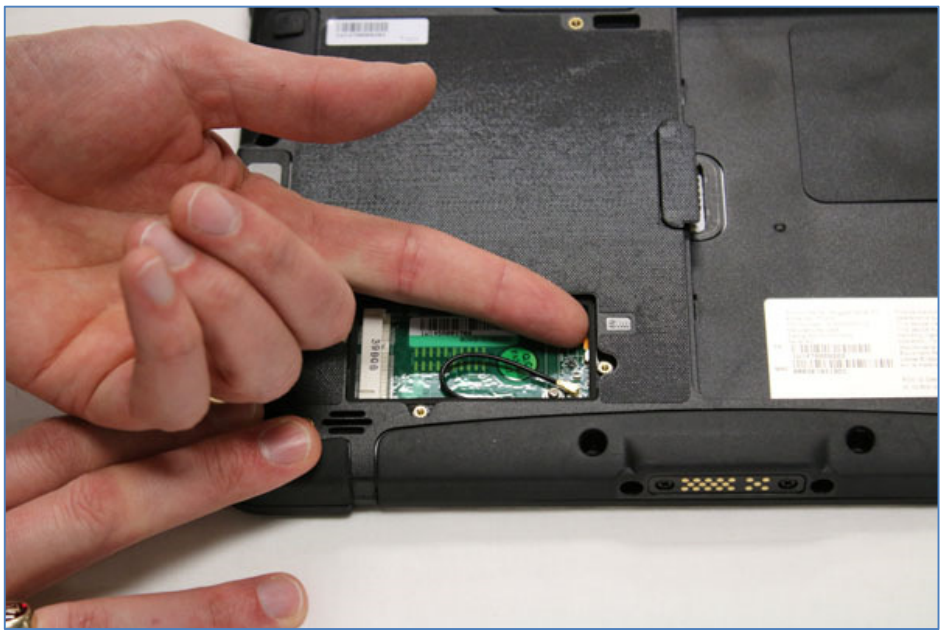
5. Note location of notched corner on Micro SIM card should be facing up.



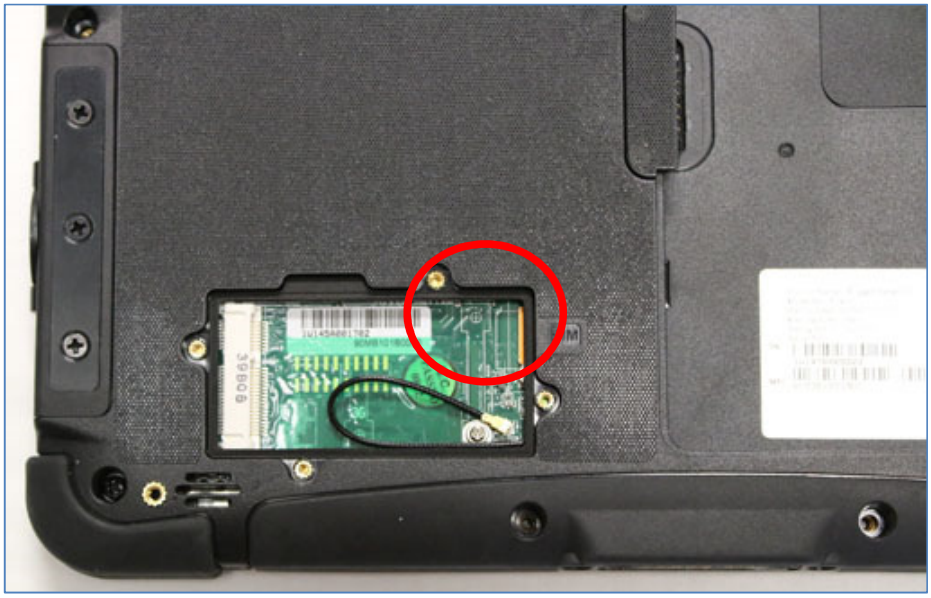
6. Insert the Micro SIM Card as shown.



7. Gently press the Micro SIM into the slot with your finger.



8. Once the Micro SIM is fully seated you will feel it click and lock into place.



9. Remove Antenna cable from retaining socket and retaining screw from threaded insert

10. Install LTE Module the slot

11. Secure in place with retaining screw

12. Connect Antenna cable to antenna port labeled ‘Main’. Take care to route cable so that it will not be pinched in the seals for the access hatch.

13. Replace LTE Module cover

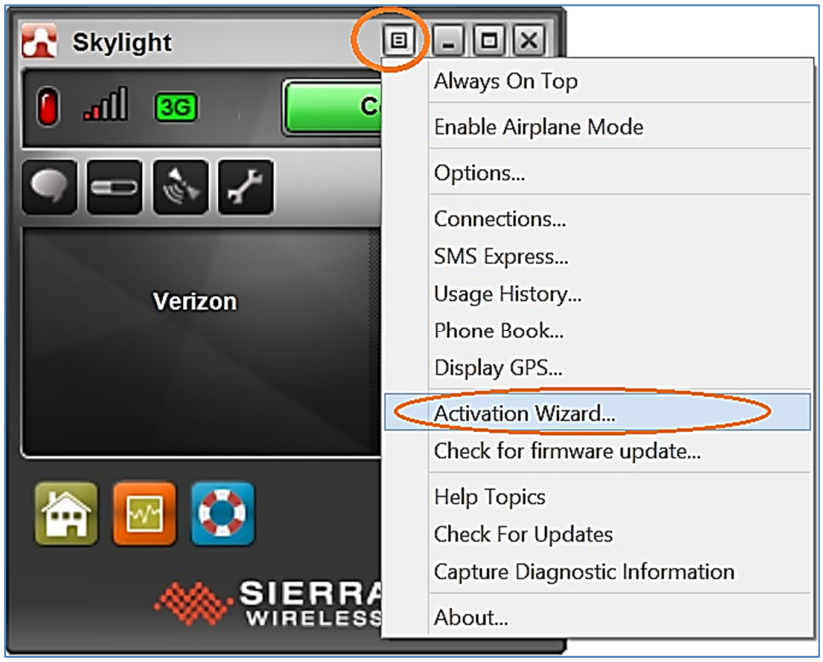
Step Five: Connecting to your carrier

1. Now that your 3FF Micro SIM is installed and it is associated with your carrier, you can connect with your carrier.
2. Power on the xTablet T1400.
3. Click "Connect" to connect to the carrier. If this is the first time you have connected, there will be an automatic activation in the back ground.

4. You are now connected to your carrier.

To disconnect from your carrier, press Disconnect.

5. Note about Carrier Activation: When switching from one carrier to another, the automatic activation may not come up because the software is under the impression the GOBI module is already activated. Follow these steps if you want to run the Automatic Activation Wizard manually with your carrier.

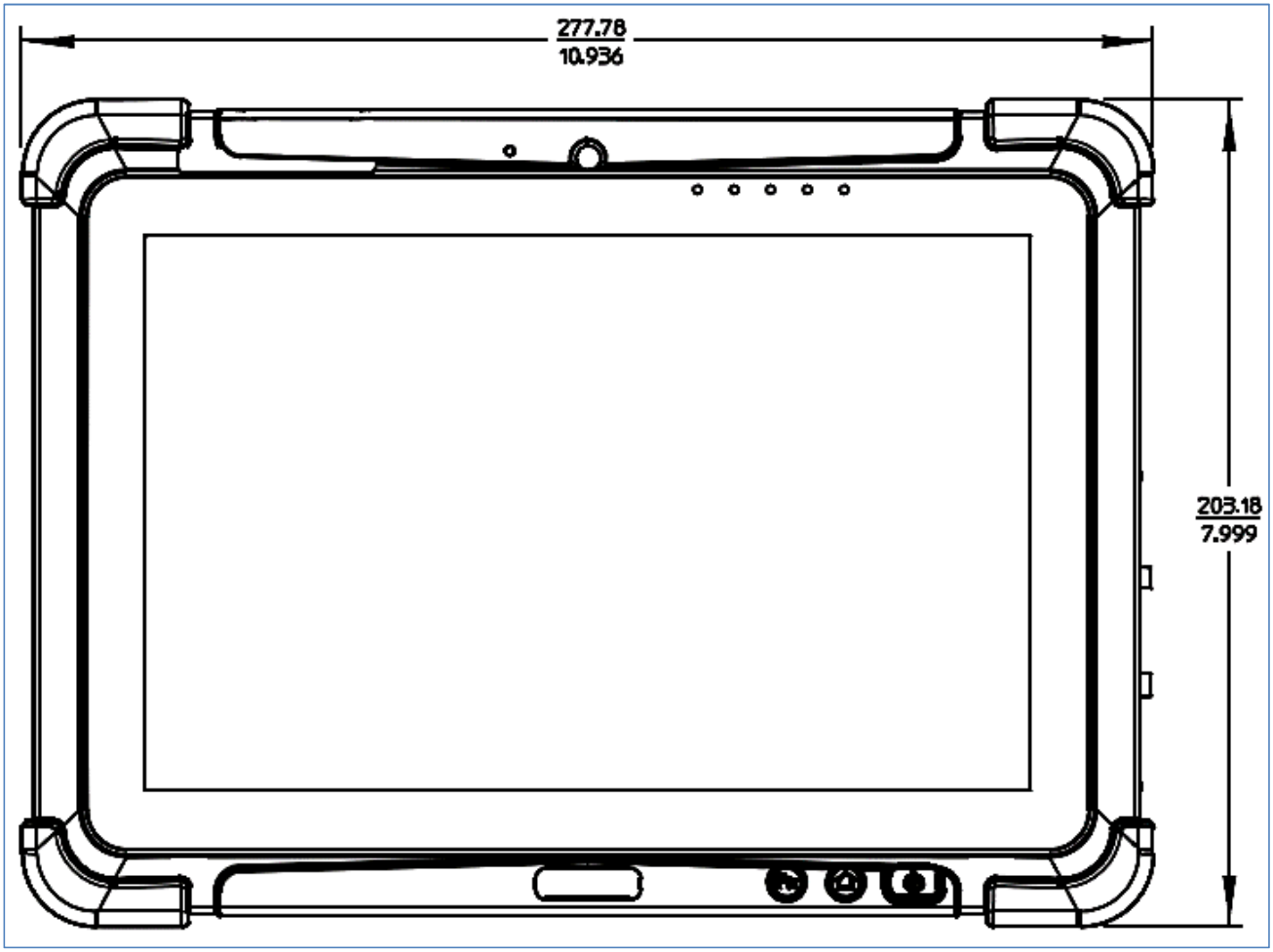


6. Click on the icon shown at the top and select Activation Wizard. If you have an account with Verizon, and you have a 4G 3FF Micro SIM installed, it will activate.

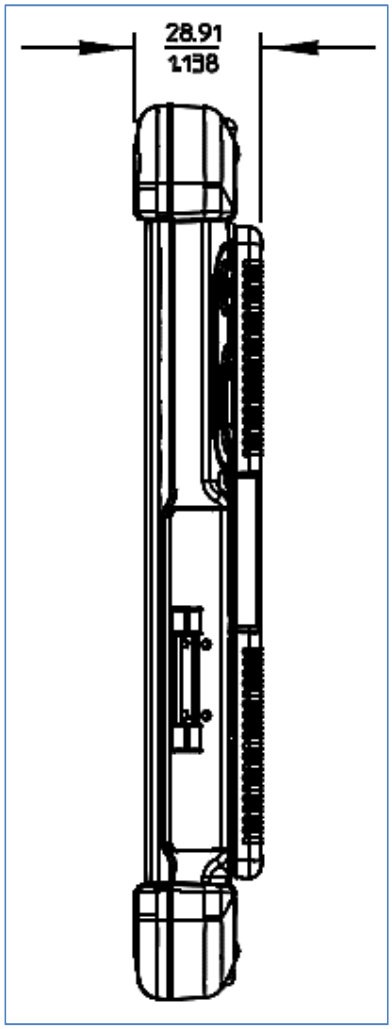
Read Me First

Read Me First

Mechanical Drawings



Front view of the xTablet T1400



Side view of the xTablet T1400

Accessories

The xTablet T1400 offers the following optional accessories for purchase:

Gigabit Ethernet Adapter • 30-pin extension port • Length; 10 cm • Connector: RJ45, female • Gigabit LAN, 10/100/1000 Mbps	**RS232 Ethernet Adapter** • 30-pin extension port • Length:10 cm • Connector: DB9 Serial RS232 Cable, female
High Capacity Battery • Capacity: 7.4V 10600mAh (2S2P) • Li-Polymer Battery	**Hand Strap** • Ergonomic hand-strap can help you hold the xTablet T1400 much more easily and comfortably.
Auto Adapter • Rapidly charges your xTablet T1400 in your car while you drive • Length: 3m	**Vehicle Dock** • Safe storage, charging and communications while operating a vehicle. • 4 USB • Ethernet • RS232 • Built-in power converter up to 36VDC • Other power converters up to 100VDC • Optional Keyboard Mounting Kit
Dual Pack Charger • Two slot charger to charge any of the three different battery packs. • Two chargers can be daisy chained together. • Utilizes the same power supply as the one that is shipped with the tablet.	**Large Stylus Kit** • Larger and more rugged stylus for intensive use. • Rugged metal mesh tip • 5.5” stylus • 16” tether • Side stylus holder
2-Point Shoulder Strap • 2-Point shoulder strap provides another option for carrying the tablet. **4-Point Shoulder Straps** • 4-Point shoulder strap provides another option for carrying the tablet, but also for “hands-free” operation.	**Standard Capacity Battery Pack** • 39.22 Watt/Hours • 4-5 Hours of operation **Long Life Battery Pack** • 78.44 Watt/Hours • 8-11 Hours of operation **XL Capacity Battery Pack** • 109 Watt/Hours • 10-12 Hours of operation
Barcode Scanner • High performance 2D imager • Reads linear, stacked linear and matrix barcodes	• **RFID Reader** • RFID 13.56 Mhz • 1/2” read distance • ISO 15693(R/W):TI HF-I Plus/TI HF-I Pro/TI HF-Standard/I-Code SLIISO 14443-A(R/W)Mifare_One(S50), Mifare_One(S70)

Chapter 3: Troubleshooting

Troubleshooting (Basic)

Problem	Solution
The removable battery is not charging.	• Make sure the AC adapter is properly connected, and that the removable battery is properly inserted. • Verify in HotTab
Nothing appears on the screen.	• The xTablet T1400 may be in sleep mode (indicated by blinking green indicator light). Press the power button to wake up the display. • The brightness level may be too low. Increase brightness. Verify by shading the screen.
The screen suddenly turns blank and the power indicator goes off.	• Make sure that LED indicator is not turned off in Hot-Tab. • Make sure the AC adapter is properly connected. • If running on battery power, the battery may be depleted, charge the battery.
Wireless LAN signal quality is poor.	• The xTablet T1400 may be out of range. Move the xTablet T1400 closer to the access point or another wireless LAN device associated with it. • Check if your surroundings have interferences, such as microwave ovens, cordless phones. Move the xTablet T1400 away from objects causing interference.
I cannot connect to another wireless LAN device.	• Make sure that wireless LAN feature is turned on. • Make sure that the SSID setting is the same for every wireless LAN device in the network. • Restart the xTablet T1400 • Make sure the IP address or subnet mask setting is correct.
I cannot connect to another device with Bluetooth.	• Make sure that both devices have Bluetooth turned on (For the xTablet T1400, check Hot-Tab to see if Bluetooth is turned on).

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	• Make sure that the distance between the two devices is within 10 meters and there are no walls or large obstructions between the devices. • Make sure the both devices are turned on and configured to be discoverable. • Make sure that both devices are compatible.
The GPS application cannot find my location.	• If just starting the tablet from power off, it may take several minutes for signal to be acquired. • Make sure that GPS is turned on in Hot-Tab. • Make sure that GPS receiver and the location sensor are enabled in Control Panel. • The xTablet T1400 may be out of coverage area. Move your xTablet T1400 outdoors or closer to a window. • Check if your surroundings have interference, such as microwave ovens, cordless phones. Move the xTablet T1400 away from objects causing interference.
No sound is produced.	• Adjust volume of the xTablet T1400 by pressing on the volume rocker. • If using an external audio device, make sure that the cable is properly connected.
I cannot project the xTablet T1400 display to another monitor.	• Make sure the HDMI driver is installed. • Make sure the output setting selected is correct.
Barcode scanner does not emit light and does not seem to work.	• Make sure the Barcode scanner device is enabled in Hot-Tab utility.
Barcode Scanner emits light but does not read barcode presented to it.	• Adjust the distance between barcode scanner of the device and the barcode being scanned. • Make sure the barcode code type is enabled in the tablet. To enable/disable a specific barcode code type, go through the “Barcode Scanner Configuration” section. • Clean the scanner lens with a damp clean cloth.

Chapter 4: Safety Information

Follow and adhere to all warnings and instructions in this manual. For your safety, please read all safety and operating instructions before using the product. Keep this manual for future reference.

Precaution on Battery Pack

Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near a Fire, in Direct Sunlight for example). Generation of heat, ignition or rupture may result.
Do Not Disassemble, Modify, or Insert Sharp Objects Into the Battery Pack. Electrolyte leakage, generation of heat, ignition or rupture may result.
Do Not Short the Positive (+) and Negative (-) Terminals of the Battery. Generation of heat, ignition or rupture may result. When carrying or storing the device, do not place the battery pack together with articles that may contact electricity.
Do Not Drop or Apply Strong Pressure to the Battery. Electrolyte leakage, generation of heat, ignition or rupture of battery may occur.
Do Not Charge the Battery Other Than with the Products Specified In This Manual. If the battery is not charged using one of the specified products and methods, electrolyte leakage, generation of heat, ignition or rupture may result.
When the Battery Pack Has Deteriorated, Replace It with a New Battery. Continued use of a damaged battery pack may result in heat generation, ignition or battery rupture.
Do Not Use the Battery Pack With Any Other Products. The battery pack is rechargeable and is only designed for this specific product. If it is used with a product other than the specified product, electrolyte leakage, generation of heat, ignition or rupture may result.
Do Not Use This Product With Battery Other Than the One Specified.

General Product Safety

This product should not be used near water such as bathtubs, sinks, swimming pools, wet basement, etc.
Do not block any ventilation openings. Do not place the product against a wall or in an enclosed space as doing so might impede the flow of cooling air.
Do not place the product near any heat sources such as radiators, warm air intakes, stoves or other heat-generating devices (including amplifiers or other heat producing equipment).
Do not disregard the safety that a polarized or grounded connection can provide. A polarized connection consists of two plugs, one of which is larger than the other. A grounded connection has two blades and a third one that is grounded. If the main plug provided cannot be inserted into your outlet, consult an electrician to replace your obsolete outlet.
Protect the power cord from being crushed or pinched, particularly in the area of the plugs, any receptacles used, and the point of exit from the apparatus. Do not break off the ground pin of the power cord.
Use only accessories specified by the manufacturer.
Use only with its transport carriage, stand, tripod, console or table specified by the manufacturer or sold with the product. When using a carriage, move the carriage assembly with the product carefully to avoid damage from falling over.
Unplug this apparatus during lightning storms.
Refer all servicing to qualified service personnel. A technical intervention is required when the apparatus has been damaged in any way, for example if the power cord or plug is damaged, liquid has been spilled or objects have fallen inside the unit, if the product has been exposed to rain or moisture, if it does not operate normally or if it has been dropped and cracked/broken.

Handling and Maintenance

Follow and adhere to all warnings and instructions in this manual. For you're the longevity of the product usage, please read all operating instructions before using the product. Keep this manual for future reference.

General Guideline

Keep the product at least 13 cm (5 inches) away from electrical appliances that can generate a strong magnetic field such as TV, refrigerator, motor, or a large audio speaker.

Do not place heavy objects on top of the xTablet T1400 as this may damage the display.

The screen surface can be scratched. Do not use paper towels to clean the display. It is best to use a touch screen cleaning cloth. Avoid touching it with a pen or pencil.

To maximize the life of the backlight in the display, allow backlight to automatically turn off as a result of power management. Avoid using a screen saver or other software that prevents the power management from working.

Cleaning Guideline

Use a soft cloth moistened with water or a non-alkaline detergent to wipe the exterior of the product.

Gently wipe the display with a soft, lint-free cloth. Do not use alcohol or detergent on the product.

Touchscreen Guideline

Use your finger or the stylus on the display. Using sharp or metallic object may cause scratches and damage the display, thereby causing errors.

Use a soft cloth to remove dirt on the display. The touchscreen surface has a special protective coating that prevents dirt from sticking to it. Not using a soft cloth may cause damage to the special protective coating on the touchscreen surface. To clean off hard to remove dirt, blow some steam on the particular area and gently wipe away using a soft cloth.

Do not use excessive force on the display. Avoid placing objects on top of the display as this may cause the glass to break.

When there is a noticeable discrepancy in the operation of the touchscreen function (your touch does not correlate to the proper location on the screen), recalibrate the touchscreen.

Regulatory Safety Statements

FCC Digital Emissions Compliance
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the radio or television receiving antenna.
- Increase the separation between the computer equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the radio or television receiver is connected.
- Consult the dealer or an experienced radio television technician for help.

Canadian Digital Apparatus Compliance
This Class B digital apparatus complies with Canadian ICES-003 and RSS-210. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Canada, avis d'Industry Canada (IC)
Cet appareil numérique de classe B est conforme aux normes canadiennes ICES-003 et RSS-210.
Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

Informations concernant l'exposition aux fréquences radio (RF)
La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal. Ce périphérique a été évalué et démontré conforme aux limites SAR (Specific Absorption Rate – Taux d'absorption spécifique) d'IC lorsqu'il est installé dans des produits hôtes particuliers qui fonctionnent dans des conditions d'exposition à des appareils portables.

802.11 Radio Precaution Statement
Caution: Users are responsible for configuring the channels of operation that comply with their country regulatory standards. A Wireless Network Administrator should review the operating restrictions detailed within the Access Point installation manual.
Caution: 802.11a wireless LAN 5.15 to 5.25 GHz (5 GHz radio channels 34 to 48) is restricted to indoor operations to reduce harmful interference to co-channel Mobile Satellite System (MSS) operations.

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